Derylos

## ISSUE SLIP STAPLE AREA (for additional cross references)

| COSITION                  | INITIALS | ID NO. | DATE     |  |  |
|---------------------------|----------|--------|----------|--|--|
|                           |          |        |          |  |  |
| FEE DETERMINATION         |          |        |          |  |  |
| O.I.P.E. CLASSIFIER       |          | 10/    | 11/1/2   |  |  |
| FORMALITY REVIEW          | EW       | TC4949 | 10/00/0  |  |  |
| RESPONSE FORMALITY REVIEW | TZ       | 56947  | 04/33/20 |  |  |

## **INDEX OF CLAIMS**

| ~ | Rejected                   | N | Non-elected  |
|---|----------------------------|---|--------------|
|   | Allowed                    | ı | Interference |
|   | (Through numeral) Canceled | _ | Appeal       |
| ÷ | Restricted                 | 0 | Objected     |

| 3. ·     |          |                   |                   |          | •        | •        | •••••         |            | ****     |          |          | • | He            | Su       | icte     | u        |           |          |          | U      | ••        | ••••     | ••••      | • • • •  | • • •    |
|----------|----------|-------------------|-------------------|----------|----------|----------|---------------|------------|----------|----------|----------|---|---------------|----------|----------|----------|-----------|----------|----------|--------|-----------|----------|-----------|----------|----------|
| ıim      | T        | -                 |                   |          | Da       | te       |               |            |          |          | 7        | [c                                      | laim          | т.       |          |          |           |          | Dat      |        |           |          |           |          | -        |
|          | T_       | 3                 | 2                 | 0        |          | Ť        | T             | Т          | Т        | Т        | $\dashv$ | ۲                                       | $\overline{}$ | 7.       | Т        | $\neg$   |           |          | Jai      | е      | Т         | _        | -         | 7        | _        |
| Original | 170      | 11/6/2            | 611862            | 1, 29 62 | 1        |          | ļ             |            |          |          |          | -                                       | Original      |          |          |          |           | -        |          |        |           |          |           |          | l        |
| ŏ        | 8        | $\equiv$          | co                |          | †        |          |               |            |          |          | ļ        | i i                                     | Į             |          |          |          |           | -        |          |        |           |          | ĺ         | 1        |          |
| U        | V        |                   |                   |          | 1        | 1        |               | Γ          | T        |          | 7        | $\vdash$                                | 51            | 十        | _        | +        | +         | +        | 7        |        | +         | +        | $\pm$     | 1        |          |
| 2        | Ш        |                   |                   |          |          | П        |               | Γ          | 1        | T        | 7        |   | 52            |          | 1        | $\top$   | $\top$    | 7        | 7        |        | 1         | +        | 十         | 7        | -        |
| 3        |          |                   |                   |          | 1.       | Π        |               |            | Τ        | T        | 7        |   | 53            | 3        | 1        | 1        | $\top$    | 1        | 1        |        | T         | t        | +         | 7        |          |
| 4        | Щ        | -                 |                   |          |          |          |               |            |          | T        |          |   | 54            | 1        |          | +        | $\top$    | $\top$   |          |        |           | 1        | $\dagger$ | 1        | -        |
| 5        | 1        |                   |                   | <u>_</u> |          |          |               | L          | 1        | 1.       |          |   | 55            | 3        | $\perp$  | I        | $\perp$   |          |          |        |           | T        | 1         | į        |          |
| 8        | 1        |                   |                   |          | L        |          |               |            | $\perp$  | 1        | _        | L                                       | 56            |          |          |          |           |          | $\perp$  |        |           | Τ        | T         |          | _        |
| 1        | 坐        |                   |                   | L.,      |          |          |               | L          | 1        | _        | 4        | L                                       | 57            | -        | $\perp$  | 1        | _         |          | $\perp$  |        |           |          | T         | T        |          |
|          | 2_       | Ż                 | 1                 | 4        |          |          |               | L          | 1        | 1        | _        | _                                       | 58            | -        | $\perp$  | _        |           | _        | $\perp$  |        |           |          | I         | I        |          |
| 9        |          | -H                | -                 | Н        |          |          |               | _          | 1        | 1        | _        | -                                       | 59            | -        | 4        | ┸        | $\perp$   |          | 1        | _      |           | L        |           | I        | _        |
| 11       |          | +                 | 1                 | 1        | -        |          |               | L          | ╀        | +        | -        | -                                       | 60            |          | Ļ        | 1        | 4         | _        | 4        |        |           | L        | $\perp$   | 1        |          |
| 12       |          | +                 | 4                 | 9        |          |          |               | <u>.</u>   | $\vdash$ | +-       | 4        | -                                       | 61            | ╀        | +        | 1        | 1         | 1        | 4        | 4      |           | _        | $\perp$   | 1        | _        |
| 13       | O        | H                 | -11               | तंत      | 7 -      |          |               |            | ╁        | +        | -        | -                                       | 62<br>63      | -        | +        | 4-       | -         | +        | 1        | 4      |           | _        | _         | 4        |          |
| 14       |          | H                 | +                 | 胡        | 1        |          |               | <u>_</u> : | ┼-       | +        | 20 14    | -                                       |               | 1        | +        | 4        | +         | +        | +        | 4      |           | ļ.,      | 1_        | 4        |          |
| 15       | ( )      | H                 | H                 | J        | $\dashv$ |          |               |            | ╁        | ╀        | -{       | -                                       | 64<br>65      | 1        | ╄        | +        | +-        | +        | +        | 4      |           | ļ        | 4         | 4        | _        |
| 16       |          | H                 | +                 | Ť        | -        |          |               |            | +-       | ╀        | -        | -                                       | 66            | -        | +        | ╁        | +         | -        | +        | 4      |           | _        | 4         | +        |          |
| 17       |          | ††                | -11               | 7        | -        | -        | $\dashv$      |            | +-       | ╁╌       | -        | -                                       | 67            | -        | +-       | +-       |           | -        | -        | -      |           | <u> </u> | ╁         | +        |          |
| 18       |          | $\dagger \dagger$ | #                 | 4        | -        | 一十       | -             |            | ╁        | ╫        | -        | -                                       | 68            | -        | -        | +        | +         | +        | +        | -      |           | _        | ╁         | +        | -        |
| 19       |          | 11                | 1                 | Ò        | $\dashv$ | _        |               |            | †        | ┼        | -        | -                                       | 69            | -        | +-       | +        | +-        | +        | +        | +      |           | -        | +         | +        |          |
| 20       |          | #                 | $\top$            | 1        | _        | _        |               |            | -        | $\vdash$ | 1        | -                                       | 70            | -        | +        | +-       | +         | +        | ╁        | +      |           | -        | +         | +        | _        |
| 21       | _        | V                 | +                 | 1        | -+       | -+       | -             |            | ├        | $\vdash$ | -        | -                                       | 71            | -        | ╁        | +-       | +-        | +-       | ╁        | -+     | -         |          | ļ         | +        | _        |
| 22)      |          | 4                 | $\dagger \dagger$ | T        | +        | $\dashv$ | -+            |            | ┢        | $\vdash$ | 1        | -                                       | 72            |          | -        | ┿        | +-        | +        |          | +      | _         |          | +-        | +        |          |
| 33<br>33 |          | ヿ                 | V                 | 7        | $\dashv$ | +        | 7             |            |          |          | 1        |   | 73            |          | +        | +        | +-        | +        | +-       | +      |           |          | ╁         | +        | _        |
| 24       |          |                   | $\neg$            |          | $\top$   | $\neg$   |               |            | _        | <b>†</b> | 1        |   | 74            |          | +-       | $\vdash$ | $\dagger$ | +        | +        | +      | $\dashv$  |          | ┢         | +        |          |
| 25       |          |                   |                   |          |          |          |               |            |          |          | 1        |   | 75            |          | 1        | 1        | +-        | +-       | +        | +      |           |          | $\vdash$  | +-       | ****     |
| 26       |          |                   |                   |          |          |          | 7             |            |          |          | 1        |   | 76            |          | <b>†</b> |          | t         | 1        | +        | +      | 1         |          | ✝         | t        |          |
| 27       | _        | $\perp$           |                   |          |          |          |               |            |          |          | 7        |   | 77            |          | Т        |          |           |          | 1        | 7      |           |          | 1         | t        | _        |
| 28       | _        | _                 | _                 | _        | $\perp$  |          |               |            |          |          | ]        |   | 78            | _        |          | T        | Т         | 1        | 1        | 1      | 7         |          | <u> </u>  |          |          |
| 29       | 4        | 4.                | -                 | _        | _        | _        | $\perp$       | _          |          |          |          |   | 79            | _        |          |          |           | I        | T        |        |           |          |           | T        | _        |
| 30       | -+       | 4                 |                   | -        | 4        | 4        | 1             | _          |          | L        |          |   | 80            |          | L        |          |           | L        | L        |        |           |          |           | Г        | _        |
| 31<br>32 | $\dashv$ | +                 | -                 | +        | +        | 4        | 4             | 4          |          | _        |          |   | 81            |          | L        | Ĺ.,      |           |          |          | I      |           |          |           |          |          |
| 33       |          |                   | +                 | -+       | +        | -        | -             | -          |          |          |          |   | 82            |          | <u> </u> | <u> </u> |           | _        |          | 1      |           |          | _         | L        |          |
| 34       |          | +                 | +                 | +        | +        | +        | +             |            |          |          |          |   | 83            |          |          | _        | _         | ļ_       | _        | 1      | 4         | -        |           |          |          |
| 35       | +        | +                 | -                 | +        | +        |          | +             | -          |          |          | 1        |   | 85            |          |          |          | ļ         |          | Ļ        | +      | 4         |          |           | <u> </u> |          |
| 36       | +        | +                 | +                 | +        | +        | +        | +             | -          |          |          |          |   | 86            |          | -        |          | <u> </u>  | ├        | <u> </u> | +      | 4         |          |           | -        | _        |
| 37       |          | +                 | +                 | +        | +        | +        | +             | +          | -        |          |          |   | 87            |          | _        |          | _         | ├-       | -        |        | $\dashv$  | _        | -         | -        | 4        |
| 38       |          | _                 | 7                 | 1        | +        | +        | +             | +          |          |          |          |   | 88            | _        |          |          |           | ⊢        | -        | +      | +         |          |           | -        |          |
| 39       |          |                   | Т                 | _        | +        | +        | +             | -†         | $\dashv$ | _        |          |   | 89            | -        |          |          | -         | -        | $\vdash$ | +      | +         | -        |           |          | 4        |
| 40       |          |                   | 1                 |          |          | T        | T             | 1          |          | -        |          |   | 90            | -        |          |          |           | -        | $\vdash$ | +      | +         | -        | -         | ١        | 1        |
| 41       |          |                   |                   |          | 1        | 1        | 1             | 1          | $\dashv$ |          | ŀ        | +                                       | 91            | $\dashv$ |          |          | _         | -        | -        | +      | +         | -        |           |          | -        |
| 42       |          | _                 | 1                 | $\top$   | +        |          | +             | +          | 1        | -        |          | _                                       | 92            | -        |          |          |           | <u> </u> | -        | +      | +         | +        |           |          | 4        |
| 43       | Ι        | Ι                 |                   |          |          | $\top$   | $\dagger$     | 1          | 7        |          |          |   | 93            | -        | -        | -        |           |          |          | +      | +         | $\dashv$ | -         |          | $\dashv$ |
| 44       | $\perp$  |                   | Ι                 | I        | 1        | $\top$   | +             | 1          | $\dashv$ | -        | ľ        | _                                       | 94            | +        | $\dashv$ | -        |           |          | -        | +      | +         | +        |           |          | 1        |
| 45       | $\perp$  | _[                | $\perp$           | I        | I        |          |               | 1          | +        |          | Ī        |   | 95            | +        |          |          | -         |          |          | $^{+}$ | +         | $\dashv$ | -         | -        | 4        |
| 46       | _ _      | -                 | 1                 |          | I        | 1.       | I             |            |          |          | ľ        |   | 96            | 7        |          |          |           |          |          | †-     | $\dagger$ | +        | +         |          | 1        |
| 47       | -        | 1                 | <u> </u>          | 1        | _        | -        |               | I          |          |          |          |   | 97            | 1        | 1        | 1        |           |          |          | 1-     | +         | +        | +         |          | 1        |
| 48<br>49 | 1        | -                 | -                 | -        | 1        | $\perp$  | $\int_{-}^{}$ | Ī          | I        |          |          |   | 8             | 1        |          |          |           |          |          |        | +         | +        | +         |          | 1        |
| 50       |          | +                 | +                 | 4        |          | +        | -             | 1.         | Ĺ        | _        |          | 5                                       | 39            | I        |          |          |           |          |          |        | I         |          |           |          | 1        |
|          |          |                   |                   |          |          |          |               |            |          |          |          |   |               |          |          |          |           |          |          |        |           |          |           |          |          |

|            | -,     |  |        |           |     |  |          |          |          |
|------------|--------|--|--------|-----------|-----|--|----------|----------|----------|
| Claim      | 4_     |  |        | E         | ate |  |          |          |          |
| Final      |        |  |        |           |     |  |          |          |          |
| 10         |        | -+                                     | +      | -         |     | +  | +        | +        |          |
| 10         |        | $\dashv$                               | +      | +         | +   | +  | +        | +        |          |
| 10         |        | +                                      | -      | +         | +   | +  | +        | +        | +-       |
| 10         |        | +                                      | +      | -         | +   | +  | +        | +-       |          |
| 105        | 1      |  | +      | +         | +   | +  | +        | +        | +-       |
| 100        |        | +                                      | 十      | +         | +   | +  | +        | +        | +-       |
| 107        | 1      | +                                      |        | $\dagger$ | +   | +  | +        | +        | +        |
| 108        |        |  | $\top$ | $\top$    | 1   | 1  | _        | _        | +        |
| 109        |        | 12                                     |        | T         | T   | 1  | $\top$   | 1        | T        |
| 110        |        |  |        |           |     |  | I        |          |          |
| 111        |        | -                                      |        | L         |     |  |          |          |          |
| 112        |        | 4                                      | 4.     | 1         | 1   | ┸  | 1        | 1        |          |
| 113        |        | $\perp$                                | 4      | ↓_        | 4   | ╀  | 4        | 4_       |          |
| 114        |        | +                                      | -      | 1         | 4   | 4  | 1        | 1_       | -        |
| 115<br>116 |        | +                                      | +      | +         | ┿-  |  | +        | +-       | -        |
| 117        |        |  | +      | +-        | ╁   | +-   | -        | +        | -        |
| 118        |        | +-                                     | +      | +         | +   | +  | +-       | +-       | -        |
| 119        |        | +-                                     | +-     | +-        | ┼   | +-   | +        | +        | $\vdash$ |
| 120        |        | +                                      | +-     | +         | +   | ╁  | +        | ┼        | +        |
| 121        | -      | ╁                                      | +      | +         | ┼   | +  | +        | +        | -        |
| 122        |        | +                                      | +-     | +         | ┼─  | +-   | $\vdash$ | +-       | +        |
| 123        |        | +                                      | +      | +         | ╁┈  | +-   | ╁        | ╁        | $\vdash$ |
| 124        | _      | +                                      | +-     | 1         | t   | †  | 1        | +        | Н        |
| 125        |        |  | $\top$ |           | 1   | 1  | 1        |          | Н        |
| 126        | $\neg$ |  | -      |           |     | $\top$   | 1        | 1        |          |
| 127        |        |  | Τ      |           |     |  |          |          |          |
| 128        |        | $\perp$                                |        | <u> </u>  |     |  |          |          |          |
| 129        |        | _                                      | 1      | _         |     |  |          |          |          |
| 130        |        | 4                                      | 1      | ļ         | ļ   | <u> </u>   | <u> </u> | <u> </u> |          |
| 131<br>132 |        | +-                                     | -      | -         | ļ   | <u> </u>   | ļ        | <u> </u> |          |
| 133        |        | +-                                     | -      |           |     | ├-   | <u> </u> | -        |          |
| 134        |        | +-                                     | +-     | -         | -   | -  |          | -        | $\vdash$ |
| 135        | -      | +                                      | +-     | -         |     | <del> </del>                                     | -        | -        | Н        |
| 136        |        | +-                                     | -      | $\vdash$  |     | -  |          | -        | $\vdash$ |
| 137        |        | +                                      | 1      |           | -   | <del>                                     </del> | -        |          | $\dashv$ |
| 138        |        | 1                                      |        |           |     |  |          |          |          |
| 139        |        |  |        |           |     |  | -        |          | 7        |
| 140        |        | T                                      |        |           |     |  |          |          |          |
| 141        |        | Г                                      |        |           |     |  |          |          | $\neg$   |
| 142        |        |  |        |           |     |  | -        |          |          |
| 143        |        |  |        |           |     |  |          |          |          |
| 144        |        |  |        | [         |     |  |          |          |          |
| 145        | -      | _                                      |        |           | ]   |  |          | J        |          |
| 146        |        |  |        |           | _   |  | _        | ļ        | _        |
| 147        |        |  |        |           | _   | _  |          | _        |          |
| 148        | -      | $\vdash$                               |        |           |     | $\dashv$   |          | -        | $\dashv$ |
| 150        |        | $\vdash$                               |        | -         |     |  |          | -+       | -        |
| 1100       |        | لـــــــــــــــــــــــــــــــــــــ |        |           |     |  |          |          |          |